

**IN THE ABSTRACT:**

Please enter the following substitute Abstract of the Disclosure for that originally filed with this application.

**ABSTRACT OF THE DISCLOSURE**

An apparatus for sealing a vacuum chamber having a plurality of long cylinders for linearly moving first piston rods. The first piston rods connect with a frame elevator. The frame elevator has a second piston rod and guide stems parallel to the first piston rods. A lever, a transmitting rod and a connecting rod are synchronously moved, when the second piston moves parallel to the guide stems by a short stroke cylinder. The transmitting rod is pivoted with a middle of the connecting rod. Direction-changing mechanisms are pivoted at the two ends of the connecting rods for horizontally moving a door to seal the vacuum chamber. The moving direction of the door pushed by the direction-changing mechanisms is perpendicular to the moving direction of the second piston rods so that the apparatus has a super thin configuration.